

Range extensions for some Bolivian birds, 2 (Columbidae to Rhinocryptidae)

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We here continue our report on range extensions of birds in Bolivia on a departmental basis (see Remsen *et al.* 1985). Records published herein are based primarily on specimens housed at the Carnegie Museum of Natural History (CM), the Field Museum of Natural History (FMNH), the Museum of Zoology, Louisiana State University (LSUMZ), the Los Angeles County Museum (LACM), and the Delaware Museum of Natural History (DMNH). Departamentos are abbreviated throughout: Beni (BE), Chuquisaca (CH), Cochabamba (CO), La Paz (LP), Santa Cruz (SC) and Tarija (TA). All specimens collected in BE, CO, LP and SC were collected by F., R., or J. Steinbach unless mentioned otherwise. All specimens at the 2 localities west of Comarapa (see below), and all FMNH specimens from CH and TA were collected by Richard Crossin. All LACM specimens were collected by K. E. Stager or S. C. Bromley. All DMNH specimens were collected by C. Gregory Schmitt and Donna Cole Schmitt. Elevations and provinces are not given for localities listed in Paynter *et al.* (1975) or for the following frequently mentioned localities: Ixiamas, 221 m, Prov. Iturralde (LP); Chipiriri, 300 m, Prov. Chapare (CO); Mataracú, 400 m, Prov. Ichilo (SC); 28 km W Comarapa, 8400 ft, and 30 km W Comarapa, 8200 ft, Prov. Valle Grande (SC); and 108 km ENE Tarija, 6400 ft, Prov. Mendez (TA). Elevations for some localities in Paynter *et al.* (1975) are listed when these differ from those in the gazetteer or when multiple elevations are given in the gazetteer. Departmental records followed by an asterisk (*) are records for which Peters (1951) or Meyer de Schauensee (1966) listed the species for that department but for which we were unable to find a previously published record with locality and date.

Among the records reported here are the first for Bolivia of *Amazona xanthops* and *Coccyzus euleri*.

The 2 localities west of Comarapa are in an isolated tract of humid cloudforest ("Siberia") on the CO-SC boundary that is the southernmost known limit for this type of habitat; several species characteristic of mid-elevation cloudforest of the Andes reach their southernmost distributional limit there: *Coeligena violifer*, *Metallura tyrianthina*, *Aglaiaocercus kingi*, *Pharomachrus auriceps*, *Veniliornis nigriceps* and *Margarornis squamiger*.

Several of the localities in Prov. Ichilo, northern SC, are at the extreme southern limit for many species typical of lowland Amazonian habitats. For example, the following 25 species reported here reach their southern or southwestern limit in South America in Prov. Ichilo: *Forpus sclateri*, *Brotogeris cyanoptera*, *Pionites leucogaster*, *Pionus menstruus*, *Opisthocomus hoazin*, *Ciccaba virgata*, *Hydropsalis climacocerca*, *Chloroceryle inda*, *C. aenea*, *Electron platyrhynchum*, *Baryphthengus martii*, *Nystalus striolatus*, *Veniliornis affinis*, *Automolus ochrolaemus*, *Xenops minutus*, *Sclerurus mexicanus*, *Myrmotherula brachyura*, *M. axillaris*, *M. menetriesii*,

Myrmoborus leucophrys, *Hypocnemoides maculicauda*, *Hylophylax naevia*, *Myrmeciza hemimelaena*, *Phlegopsis nigromaculata* and *Hylopezus berlepschi* (and *Daptrius ater* and *D. americanus* in Remsen *et al.* 1985). Thus, a major faunal separation takes place in this area: the Amazonian avifauna of Prov. Ichilo is largely replaced by an avifauna typical of subtropical lowland South America in the next province to the south, Prov. Ibañez. Unfortunately, northeastern Dpto. Santa Cruz is undergoing massive deforestation for colonization projects, and so it is possible that many of these species will be extirpated from this region.

SPECIES ACCOUNTS

ROCK DOVE *Columba livia*

Feral populations probably exist throughout much of Bolivia. JVR has seen feral flocks in the vicinity of La Paz (LP) and in many locations in northern SC.

SPOT-WINGED PIGEON *Columba maculosa*

LP: Individuals and small groups seen regularly in Calacoto, adjacent to the city of La Paz (T. and J. Heindel, JVR).

PLAIN-BREASTED GROUND-DOVE *Columbina minuta*

SC: Buena Vista, 24 Apr 1917 and 29 Dec 1922 (CM 79129, 119813).

RUDDY GROUND-DOVE *Columbina talpacoti*

CO: Villa Tunari, Prov. Chapare, 23-30 Nov 1960 (LSUMZ 35756-58).

BARE-FACED GROUND-DOVE *Metriopelia ceciliae*

TA: 128 km SW Tarija, 8600 ft, 23-25 Jan 1973 (FMNH-C 25426-32).

GOLDEN-SPOTTED GROUND-DOVE *Metriopelia aymara*

LP: Desaguadero, 13 Feb 1922 (CM 94451-52, 119775); Camacho, 3850 m, Prov. Pacajes, 3 Oct and 24 Nov 1941 (FMNH 123761-63, 217643, C 15819-21; LSUMZ 37219); Esperanza, 4200 m, 15 & 17 Oct 1941 (FMNH 123764, C 15817); Finca Capiri, 12 km W Viacha, Prov. Ingavi, 1-3 July 1980, coll. by S. W. Cardiff and JVR (LSUMZ 95357, 95610-14).

BLUE-AND-YELLOW MACAW *Ara ararauna*

CO: Chipiriri, 8 Nov 1962 (LSUMZ 35769).

MILITARY MACAW *Ara militaris*

SC*: Río Surutú, 16 Feb 1923 (CM 119816); 16 km by road NW Masicuri, 1100 m, Prov. Vallegrande, 10 Jan 1984, coll. by C. G. Schmitt (LSUMZ 123497). TA*: Yacuiba, 27 Oct 1915, coll. J. Steinbach (CM 51742-43).

RED-AND-GREEN MACAW *Ara chloroptera*

CO: Yungas El Palmar, 22 June 1940 (FMNH 179056).

RED-FRONTED MACAW *Ara rubrogenys*

SC: El Palo, 20 July 1921 (CM 86176); this locality is very close to Cuesta La Negra. Previously known from SC in the literature only from Ridgely's (1981) sight records.

MITRED PARAKEET *Aratinga mitrata*

CO: Pocona, 2700 m, 1 Jan 1927 (CM 120230), 30 Dec 1936 to 1 Jan 1937 (FMNH 179088-91); Aiquile, 2150 m, 10 Aug 1936 (FMNH 179092-94).

WHITE-EYED PARAKEET *Aratinga leucophthalmus*

CH: 16 km N Monteagudo, 5000 ft, 24 Nov 1972 (FMNH 293585); C. G. Schmitt and D. C. Cole saw large flocks (up to 200) in agricultural areas near Carandayti, Prov. Luis Calvo, 10-11 May 1979.

MONK PARAKEET *Myiopsitta monachus*

SC: Guanacos, 21 Aug 1909 (CM 32949-51) and 27 Sep 1915 (CM 51544). CH: 30 km SE Carandayti, 10 July to 28 Aug 1957 (LACM 35464-69, 89141).

GREY-HEADED PARAKEET *Bolborhynchus aymara*

SC: Comarapa, 2500 m, 10 Sep 1926 (FMNH 179141), 7 Oct 1926 (CM 120167); 2.5 km N Tambo, Rio San Isidro (Rio Pulquina) Valley, 1500 m, Prov. Caballero, 25 June and 1 July 1984, coll. by C. G. Schmitt and JVR (LSUMZ 123521-23).

MOUNTAIN PARAKEET *Bolborhynchus aurifrons*

LP: Guaqi, 3 Feb, 4 Mar and 5 Apr 1922, coll. by J. Vasquez (CM 94428, 94493, 94707). Previously known from LP in the literature only from Niethammer's (1953) sight record.

DUSKY-BILLED PARROTLET *Forpus sclateri*

SC: Rio Surutú, 15 Sep 1910 (CM 38445-46).

COBALT-WINGED PARAKEET *Brotogeris cyanoptera*

LP: Ixiamas, 18 Apr 1961 (LSUMZ 35783). SC: Nueva Moka, 6 June 1938 (CM 125060, FMNH 179194).

WHITE-BELLIED PARROT *Pionites leucogaster*

SC: Rio Surutú, 11 Aug 1910 (CM 38342) and 12 Nov 1946 (LSUMZ 37275); 7 km N, 17 km W Buena Vista, 353 m, Prov. Ichilo, 27 Jan 1979 (DMNH 65408-10).

BLUE-HEADED PARROT *Pionus menstruus*

SC: Rio Surutú, 9 specimens Mar-Aug 1916 & 1922 (CM); Buena Vista, 10 & 23 Feb 1943 and 25 May 1948 (LSUMZ 37276-78); 7 km N, 17 km W Buena Vista, 28 Jan 1979 (DMNH 65412).

YELLOW-FACED PARROT *Amazona xanthops*

BE: San Joaquin, 27 Mar 1964, coll. E. L. Tyson (Academy of Natural Sciences at Philadelphia #170759). This is a major range extension for this species, previously known only as far west as Coxim, Mato Grosso, Brazil (R. S. Ridgely).

TURQUOISE-FRONTED PARROT *Amazona aestiva*

CH: 30 km SE Carandayti, 6 July to 3 Nov 1957 (LACM 35452-55); C. G. Schmitt and D. C. Cole saw groups of 15-20 in areas around Tiguipa, 10-11 and 24 May 1979.

ORANGE-WINGED PARROT *Amazona amazonica*

BE: Rio Mamoré, 25 Feb 1944 (LSUMZ 37281).

SCALY-NAPED PARROT *Amazona mercenaria*

SC: Rio Blanco, Cerro Hosane, 11 & 28 Aug 1917 (CM 119379, 79468). Previously known in the literature from SC only from Parker & Rowlett's (1984) sight records.

YELLOW-BILLED CUCKOO *Coccyzus americanus*

CO: Cochabamba, 25 Feb 1954 (LSUMZ 37287); Todos Santos, 8 Mar 1956 (LSUMZ 37288). SC: Puerto Suarez, 3 Dec 1908 and 23 Jan 1909

(CM 31283, 31423); Buena Vista, 5 Nov 1914 (CM 50965), 10 Mar 1945, 20 Nov 1947 and 28 Dec 1951 (LSUMZ 35790-91, 37389); 8 km N Gutierrez, 3000 ft, 7-10 Mar 1973, coll. by R. Crossin (FMNH 293608-10); Santiago de Chiquitos, 700 m, 7 Mar 1973 (FMNH 295256).

PEARLY-BREASTED CUCKOO *Coccyzus euleri*

SC: "Cercado de Santa Cruz" = Andres Ibañez, 2 May 1915 (CM 51246). First record for Bolivia.

GREATER ANI *Crotophaga major*

SC: Puerto Suarez, 19 & 30 Jan 1909 (CM 31398, 31462-63); Buena Vista, 14 specimens, Nov-Jan, 1912-1952 (CM, FMNH, LSUMZ); Río Surutú, 300 m, Prov. Ichilo, 15 Sep 1938 (FMNH 179209-10); 7 km N, 17 km W Buena Vista, 353 m, Prov. Ichilo, 28 Jan 1979 (DMNH 65417).

SMOOTH-BILLED ANI *Crotophaga ani*

SC: Puerto Suarez, 19 & 30 Jan 1909 (CM 31398, 31462-63); Buena Vista, 21 specimens, 1910-1955 (CM, FMNH, LSUMZ); Río Yapacaní, 22 Dec 1936 (FMNH 179217); Santa Cruz, 450 m, 25 Apr 1937 (FMNH 179216); Santa Rita, 500 m, Prov. Cercado, 15 Dec 1961 (LSUMZ 35802); Angostura, 800 m, Prov. Florida, 18 June 1955 (LSUMZ 37303); 7 km N, 17 km W Buena Vista, 353 m, Prov. Ichilo, 25 Jan 1979 (DMNH 65418-21). Common throughout much of northern Dpto. Santa Cruz (C. G. and D. C. Schmitt, JVR sight). CH: 30 km SE Carandayti, 20-28 Oct 1957 (LACM 35472-75).

GUIRA CUCKOO *Guira guira*

CH: 30 km SE Carandayti, 11 July to 23 Aug 1957 (LACM 35478-81); 6 km SE Carandayti, 10 Nov 1957 (LACM 35477).

STRIPED CUCKOO *Tapera naevia*

CO: Incachaca, 2200 m, 20 Sep 1927 (FMNH 179226).

HOATZIN *Opisthocomus hoazin*

SC: Buena Vista, 8 Sep 1910 and 20 Jan 1926 (CM 38424, 120539), 30 June 1938 (FMNH 178802-04), 5 Feb 1945, 20 Mar 1964, and 30 June 1938 (LSUMZ 37141, 37143, 35691); Río Surutú, 12 Aug 1910 (CM 38347, 43767) and 15 Aug 1938 (FMNH 178799-801, 179803); Río Yapacaní, 22 Dec 1936 (FMNH 178805); 7 km N, 17 km W Buena Vista, 25 Jan 1979 (DMNH 66952-53).

TROPICAL SCREECH-OWL *Otus choliba*

LP: Coroico, 25 May 1979 (T. A. Parker and JVR, sight).

RUFESCENT SCREECH-OWL *Otus ingens*

CO: Alto Palmar, May, July and Nov, 1954, 1957 (LSUMZ 37319-20, 36890, 37314). This is the southernmost known locality for this species.

SPECTACLED OWL *Pulsatrix perspicillata*

CO: Chipiriri, 15 Oct 1964 (LSUMZ 35811).

FERRUGINOUS PYGMY-OWL *Glaucidium brasiliense*

CH: 70 km SE Padilla, 3600 ft, 18 Nov 1972 (FMNH 293619-20).

BURROWING OWL *Speotyto cunicularia*

SC: Santa Cruz de la Sierra, 7 & 8 July 1909 (CM 43605, 32818-19); Warnes, 10 Nov 1938 (FMNH 179239-41); Buena Vista, 2 Jan 1917, 30 Jan 1923, 28 May 1926 (CM 79100, 94671-72, 119932-33) and 28 May 1946 (LSUMZ 35814, 37332); Pampa de la Isla, 16 May 1918 (CM 80059-60); this latter locality is c. 10 km east of Santa Cruz de la Sierra.

MOTTLED OWL *Ciccaba virgata*

SC: Buena Vista, 8 Mar 1926 (CM 119927), 25 May 1928 (CM 120010) and 30 Sep 1942 (LSUMZ 37327); Río Surutú, 20 Nov 1946 (FMNH 217651).

STRIPED OWL *Rhinoptynx clamator*

SC: Buena Vista, 2 May 1922 (CM 119793), 5 Sep 1945 and 25 July 1947 (LSUMZ 35815, 37338); Río Surutú, 30 Apr 1911 (CM 43823), 9 July 1912 (CM 78801) and 20 Nov 1946 (LSUMZ 37339); "El Cuchi" (= Río Cuchi?, between Buena Vista and Warnes), 12 Dec 1922 (CM 119812); Santiago de Chiquitos, 7 Mar 1973 (FMNH 295274).

SHORT-EARED OWL *Asio flammeus*

CO: Cochabamba, 7 Oct 1920 (CM 85075). This is apparently the only specimen for Bolivia and is the basis for previous listings for Bolivia, although the locality and date have not been published previously.

OILBIRD *Steatornis caripensis*

CO: A colony exists in a cave in the Chapare region east of Cochabamba (G. Bejarano, sight record, late 1970's). This is the southernmost known locality for this species.

NACUNDA NIGHTHAWK *Podager nacunda*

CH: 30 km SE Carandayti, 28 Sep 1957 (LACM 35485); 18.2 km by road N Machareti, Prov. Luis Calvo, 11 May 1979 (DMNH 66952-53).

OCELLATED POORWILL *Nyctiphrynus ocellatus*.

SC: Río Surutú, 11 Aug 1910 (CM 38345, 43766).

BAND-WINGED NIGHTJAR *Caprimulgus longirostris*

SC: Comarapa, 10 Sep 1926 (CM 120134).

SPOTT-TAILED NIGHTJAR *Caprimulgus maculicaudus*

SC: Buena Vista, 4 Dec 1909 (CM 43705). This is the southwesternmost known record for this species.

LITTLE NIGHTJAR *Caprimulgus parvulus*

CH: 15 and 30 km SE Carandayti, 2-14 Oct 1957 (LACM 35486-87, 35489, 35879-80).

LADDER-TAILED NIGHTJAR *Hydropsalis climacocerca*

CO: Yungas El Palmar, 15 Mar and 10 Apr 1940 (FMNH 179282-83); Alto Palmar, 10 Apr 1940 and 1 May 1960 (LSUMZ 37354, 36892). SC: Río Yapacaní, 22 Aug 1913, 26 Aug & 5 Sep 1914 (CM 44019, 50658-59, 50898).

SCISSOR-TAILED NIGHTJAR *Hydropsalis brasiliiana*

SC: Buena Vista, 11 June 1915 (CM 51357), 15 June 1938 (FMNH 179280) and 18 May 1945 (LSUMZ 37358); Río Surutú, 18 Aug and 14 Oct 1938 (LSUMZ 37359, FMNH 179281); Monte de Basilio (near Basilio), 20 Sep 1915 (CM 51509); Río Grande, 21 June 1918 (CM 80493-96, 119492 [note that specimens labelled "Río Grande" by Steinbach are not from the Cochabamba locality listed by Paynter *et al.* (1975) but on the river directly east of Portachuelo]); Comarapa, 2500 m, 15 & 18 Sep 1926 (FMNH 179278-79); 2.5-3.8 km N Tambo, Río San Isidro (Río Pulquina) Valley, 1500-1525 m, 4 & 23 Feb 1984, coll. C. G. Schmitt (LSUMZ 123568-70); c. 3 km by road S, c. 3 km W Santiago de Chiquitos, 700 m, 16 July 1984, coll. by D. C. Schmitt (LSUMZ 123571). CH: 15 km SE Carandayti, 6 Sep 1957 (LACM 35488).

CHESTNUT-COLLARED SWIFT *Cypseloides rutilus*

LP: near Puente Villa, 24 km by road W Chulumani, 1650 m, 19 Apr 1980, coll. by J. Heindel (LSUMZ 95627).

WHITE-COLLARED SWIFT *Streptoprocne zonaris*

CO: Incachaca, 2225 m, 30 Nov 1927 (FMNH 179284); El Limbo, 2200 m, Prov. Chapare, 30 Mar 1938 (LSUMZ 37440). SC: Buena Vista, 9 specimens, Oct-Dec, 1912-1922 (CM). Previously known from SC in the literature only from Parker & Rowlett's (1984) sight records.

ASHY-TAILED SWIFT *Chaetura andrei*

TA: Yacuiba, 10 Feb 1916, coll. J. Steinbach (CM 119330).

ANDEAN SWIFT *Aeronautes andecolus*

CO: Tiraque, 15 Mar 1927 (CM 120280).

GREEN-FRONTED LANCEBILL *Doryfera ludoviciae*

CO: El Palmar, 600 m, 20 Nov 1948 (LSUMZ 37360). This is the southernmost known locality for this species.

GREEN VIOLETEAR *Colibri thalassinus*

SC: 30 km W Comarapa, 20-23 Dec 1972 (FMNH 293637-48).

WHITE-CHINNED SAPPHIRE *Hylocharis cyanus*

LP: Ixiamas, 20 Apr 1961 (LSUMZ 35843).

GILDED HUMMINGBIRD *Hylocharis chrysura*.

CH: 30 km SE Carandayti, 10 Sep 1957 (LACM 35436).

WHITE-TAILED GOLDENTHROAT *Polytmus guainumbi*

LP: Ixiamas, 11-12 Apr 1961 (LSUMZ 37391-93).

GIANT HUMMINGBIRD *Patagona gigas*

TA: 128 km SW Tarija, 8600 ft, 25 Jan 1973 (FMNH 293683).

VIOLETT-THROATED STARFRONTLET *Coeligena violifer*

SC: 30 km W Comarapa, 18-24 Dec 1972; 28 km W Comarapa, 21-22 Mar 1973 (FMNH 293684-704).

BLUE-CAPPED PUFFLEG *Eriocnemis glaucopoides*

TA: 80 km S Tarija, 7000 ft, 11-13 Feb 1973; 108 km ENE Tarija, 25-27 Feb 1973; 67 km E Tarija, 7400 ft, 18 Feb 1973 (FMNH 293705-15).

TYRIAN METALTAIL *Metallura tyrianthina*

SC: 30 km W Comarapa, 14-23 Dec 1972; 28 km W Comarapa, 25 & 27 Mar 1973 (FMNH 293731-43).

LONG-TAILED SYLPH *Aglaioecercus kingi*

SC: 28 km W Comarapa, 24 Mar 1973 (FMNH 293744).

SLENDER-TAILED WOODSTAR *Microstilbon burmeisterii*

CO: Tin-Tin, 22 Dec 1937 (FMNH 179494). This is the northernmost known record for this species.

GOLDEN-HEADED QUETZAL *Pharomachrus auriceps*

SC: 30 km W Comarapa, 20 Dec 1972 (FMNH 293746).

RINGED KINGFISHER *Ceryle torquata*

CO: Chipiriri, 22 Nov & 6 Dec 1962 (LSUMZ 37457, 36888).

AMAZON KINGFISHER *Chloroceryle amazona*

CO: Chipiriri, 7 & 8 Dec 1962 (LSUMZ 35909, 37466).

GREEN KINGFISHER *Chloroceryle americana*

CO: Cochabamba, June 1920, coll. J. Vasquez (CM 119554); Pocona, 4

Dec 1926 (CM 120225). Listed for CO by Gyldenstolpe (1945) but without date, locality or museum source.

GREEN-AND-RUFOUS KINGFISHER *Chloroceryle inda*

SC: Buena Vista, 16 July 1938 and 20 Jan 1946 (LSUMZ 35912, 37463); Río Surutú, 8 Sep 1910 (CM 43796) and 10 Sep 1938 (FMNH 179543); Madrejón, 28 Oct 1946 (LSUMZ 37464).

LEAST KINGFISHER *Chloroceryle aenea*

CO: Todos Santos, 20 Apr 1956 (LSUMZ 35913). SC: Río Yapacaní, 26 Aug 1913 (CM 44049); Buena Vista, 8 Aug 1916 (CM 120225); Río Surutú, 10 Sep 1938 (FMNH 179544, LSUMZ 37465); Buena Vista, 10 Jan 1946 (LSUMZ 37466); Estancia Cachuela Esperanza, 21 Aug 1984, coll. N. Olds (LSUMZ 123380).

BROAD-BILLED MOTMOT *Electron platyrhynchum*

SC*: Río Surutú, 11 Aug 1910 (CM 38346); Buena Vista, 8 Dec 1912 (CM 43973); Mataracú, 420 m, Prov. Ichilo, 9 Aug & 30 Sep 1943 (FMNH 217699, LSUMZ 37471).

RUFOUS MOTMOT *Baryphthengus martii*

CO: Bajo Palmar, 600 m, 8 May 1940 (LSUMZ 37473). SC: Río Isamá, 20 May 1943 (LSUMZ 35916).

STRIOLATED PUFFBIRD *Nystalus striolatus*

CO: Todos Santos, 4 & 27 Mar 1956 (LSUMZ 37489, 35925). SC: Río Surutú, 28 Sep 1917 (CM 119412).

SPOT-BACKED PUFFBIRD *Nystalus maculatus*

CH: 30 km SE Carandayti, 3 Aug 1957 (LACM 35490).

LETTERED ARACARI *Pteroglossus inscriptus*

CO: San Rafael, 550 m, Prov. Chapare, 28 July 1957 (LSUMZ 35944, 37514). This is the southernmost known record for this species.

CURL-CRESTED ARACARI *Pteroglossus beauharnaesii*

CO: El Palmar, 14 Mar 1942 (FMNH 216094). This is the southernmost known record for this species.

RUFOUS-BREASTED PICULET *Picumnus rufiventris*

BE: Río Mamoré, 18 Feb 1944 (LSUMZ 35947); 10 km W San Antonio, 12 Aug 1965 (Amer. Mus. Nat. Hist. #819219).

WHITE-FRONTED WOODPECKER *Melanerpes cactorum*

CH: 30 km SE Carandayti, 10 Aug 1957 (LACM 35514-15). TA: Capirenda, 9 & 12 July 1957 (LACM 35516-17); 7 km NE Capirenda, 26 Aug 1957 (LACM 35518); 7 km NW Capirenda, 1 Aug 1957 (LACM 35519).

BAR-BELLIED WOODPECKER *Veniliornis nigriceps*

SC: 30 km W Comarapa, 18 Dec 1972 (FMNH 293799, 293801); 28 km W Comarapa, 27 Mar 1973 (FMNH 293800).

SMOKY-BROWN WOODPECKER *Veniliornis fumigatus*

TA: 108 km ENE Tarija, 25 Feb 1973 (FMNH 293791-92); 80 km S Tarija, 7000 ft, 13 Feb 1973 (FMNH 291793).

RED-STAINED WOODPECKER *Veniliornis affinis*

SC: Río Surutú, 28 Sep 1917 (CM 79680).

SPOT-BREASTED FLICKER *Colaptes punctigula*

CO: Villa Tunari, 400 m, Prov. Chapare, 3 Dec 1960 (LSUMZ 37528).

ANDEAN FLICKER *Colaptes rupicola*

SC: Los Negros, 810 m (an extremely low elevation for this species), Prov. Florida, 30 Apr 1961 (LSUMZ 37522).

BLACK-BODIED WOODPECKER *Dryocopus schulzi*

Short (1982) published the first occurrences of this species in Bolivia. The details of these records are as follows (L. L. Short): CH: Monteagudo, 325 m, 13 May 1917 (Mus. Comp. Zool. #86762). TA: Villa Montes (Acad. Nat. Sci. Phil. #143343, 143345, and Univ. Mich. Mus. Zool. #107537).

LINEATED WOODPECKER *Dryocopus lineatus*

CH: 16 km N Monteagudo, 5000 ft, 25 Nov 1972 (FMNH 293787-88).

CREAM-BACKED WOODPECKER *Campephilus leucopogon*

CO: Tin-Tin, 22 Dec 1937 (FMNH 179740). This is the northernmost known record for this species.

GREAT RUFOUS WOODCREEPER *Xiphocolaptes major*

CH: 16 km N Monteagudo, 5000 ft, 26 Nov 1972 (FMNH 293812).

OCCELLATED WOODCREEPER *Xiphorhynchus ocellatus*

SC: Río Surutú, 9 Aug 1910, 28 Mar 1916, 21 Sep 1917 (CM 43756, 78862, 79568) and 18 Aug 1938 (FMNH 179857-60); Río Yapacaní, 10 specimens (CM); Buena Vista, 28 Sep 1917 (CM 79681); Río Ichilo, 15 Feb 1937 (FMNH 179861); Cerro Hosane, 10 Aug 1917 (CM 79304); Río Blanco, Cerro Hosane, 12 & 14 Aug 1917 (CM 79334, 79355, 119381); Angostura, 800 m, Prov. Florida, 8 July 1955 (LSUMZ 35983); 13 km by road NW Masicurí, 1000 m, Prov. Vallegrande, 7-8 Jan 1984, coll. by C. G. and D. C. Schmitt (LSUMZ 123881-82); the latter locality is the southernmost known record for this species.

NARROW-BILLED WOODCREEPER *Lepidocolaptes angustirostris*

CH: 30 km SE Carandayti, 6 July to 8 Aug 1957 (LACM 35624-31); 70 km SE Padilla, 3600 ft, 20 Nov 1972 (FMNH 293835).

COMMON MINER *Geositta cunicularia*

CO: Vacas, 13 specimens, 1920-1938 (CM 81104-05, FMNH 179924-34); Cochabamba, 2750 m, 1920-1940 (CM, LSUMZ, FMNH); Tiraque, 3200 m, 29 Mar 1927 (FMNH 179938); Arani, 14 Feb 1927 (CM 120259).

SCALE-THROATED EARTHCREEPER *Upucerthia dumetaria*

CO: Vacas, 16 Aug 1937 (FMNH 180034); Colomi, 3075 m, 15 Apr 1942 (LSUMZ 37596).

BAR-WINGED CINCOLODES *Cinclodes fuscus*

SC: Comarapa, 2500 m, 13 Oct 1926 (FMNH 180000).

WHITE-WINGED CINCOLODES *Cinclodes atacamensis*

TA: 67 km E Tarija, 7400 ft, 16 Feb 1973 (FMNH 293840).

WREN-LIKE RUSHBIRD *Phleocryptes melanops*

CO: Vacas, 29 Nov 1921 (CM 86099, 119748) and 10 Feb 1927 (FMNH 180090).

PLAIN-MANTLED TIT-SPINETAIL *Leptasthenura aegithaloides*

CH: 27 km SE Camargo, 9600 ft, 5 Feb 1973 (FMNH 293842).

CABANIS' SPINETAIL *Synallaxis cabanisi fulviventris*

BE: Río Mamoré, 7 Feb 1944 (LSUMZ 37620).

CINEREOUS-BREASTED SPINETAIL *Synallaxis hypospodia*

SC: Pampas de la Isla, 17 May 1918 (CM 80064).

PALE-BREASTED SPINETAiL *Synallaxis albescens*

SC: Santa Cruz de la Sierra, 21 July 1909 (CM 32867); Buena Vista, June, Aug and Nov 1910-1918 (CM 43730, 51346, 79072, 80562) and 10 Jan 1946 (LSUMZ 37621); Río Yapacaní, 12 Sep 1914 (CM 50759); Palmarito, 24-27 May 1918 (CM 80194-95, 119462); Río Quizer, 9-17 June 1918 (CM 80394, 119481-82, 80422, 80470, 80475); Santiago de Chiquitos, 20 Apr & 3 May 1973 (FMNH 296139-40); Laguna Caucaya, 10 km by road E Gutierrez, 875 m, Prov. Cordillera, 23 Apr 1984, coll. C. G. and D. C. Schmitt (LSUMZ 124004); 2.5 km by road N, 8 km by road E Montero, 300 m, Prov. Santesteban, 9 July 1984, coll. by C. G. Schmitt (LSUMZ 124003).

YELLOW-THROATED SPINETAiL *Certhiaxis cinnamomea*

SC: Buena Vista, 6 specimens, 1917-1946 (CM, FMNH, LSUMZ); Palmarito, 8 specimens, 22-29 May 1918 (CM); 70 km by road E Concepción, Prov. Nuñez de Chavez, 3 August 1984, coll. C. G. Schmitt (LSUMZ 123222). TA: Capirenda, 15 Nov 1957 (LACM 35750).

LINE-FRONTED CANASTERO *Asthenes urubambensis*

CO: Incachaca, 13 Sep 1921 (CM 119704). This is the southernmost known record for this species.

STREAK-FRONTED THORNBIRD *Phacellodomus striaticeps*

SC: Pulquina, 1600 m, 24 Mar 1920 (CM 81074-75) and 15 May 1939 (FMNH 180290); Comarapa, 2500-2800 m, 12-25 Sep 1926 (FMNH 180286-89, 180291-95, CM 120146); 2.5 km N Tambo, Río San Isidro (Río Pulquina) Valley, 1500 m, 23 June 1984, coll. by JVR (LSUMZ 124074).

PEARLED TREERUNNER *Margarornis squamiger*

SC: 28 km W Comarapa, 21-24 Mar 1973; 30 km W Comarapa, 21-24 Dec 1972 (FMNH 293908-19).

BUFF-FRONTED FOLIAGE-GLEANER *Philydor rufus*

CH: 16 km N Monteagudo, 5000 ft, 26 Nov 1972 (FMNH 293964). This is the southwesternmost known record for this species.

BUFF-THROATED FOLIAGE-GLEANER *Automolus ochroleucus*

SC: Río Yapacaní, 4 Sep 1914 (CM 50708); Río Saguayo, Mar 1916 (CM 78846); Río Surutú, 12 Oct 1917 (CM 79822) and 31 Aug 1938 (FMNH 180367); Río Izama, Cerro Amboró, 19 Oct 1916 (CM 79031, 119360); Cerro Hosane, 7-8 Aug 1917 (CM 79273, 79278, 79270); Río Blanco, Cerro Hosane, 18 & 26 Aug 1917 (CM 79408, 79457).

PLAIN XENOPS *Xenops minutus*

SC: Río Yapacaní, 28 Jan 1915 (CM 51199); Río Surutú, 27 Sep & 12 Oct 1917 (CM 79653, 79820) and 27 Aug 1938 (FMNH 180372); Buena Vista, 4 Oct 1917 (CM 79688) and 6 May 1946 (LSUMZ 36061).

GREY-THROATED LEAFSCRAPER *Sclerurus albicularis*

SC: Río Surutú, 6 specimens, 1911-1938 (CM) and 15 Aug 1938 (LSUMZ 37661); Río Yapacaní, 21 May & 20 Sep 1914 (CM 50869, 50860); Cerro Hosane, 10-18 Aug 1917 (CM 79303, 79352, FMNH 258628); Río Blanco, Cerro Hosane, 18 Aug 1917 (CM 79398-99); Buena Vista, 15 Mar 1926 (CM 119925); Mataracú, 400 m, Prov. Ichilo, 20 June 1943 (LSUMZ 36063).

TAWNY-THROATED LEAFSCRAPER *Sclerurus mexicanus*

SC: Buena Vista, 11 July 1910 (CM 38310) and 15 Aug 1944 (LSUMZ

36062); Río Surutú, 8 Aug 1910 (CM 43752) and 16 Oct 1917 (CM 79864).

SHARP-TAILED STREAMCREEPER *Lochmias nematura*

TA: 108 km ENE Tarija, 26-27 Feb 1973 (FMNH 293968, 293972-73). These are the southernmost known records for this species in the Andes.

GIANT ANTSHRIKE *Batara cinerea*

CH: 60 km SE Padilla, 4200 ft, 21 Nov 1972 (FMNH 293974).

GREAT ANTSHRIKE *Taraba major*

CH: 30 km SE Carandayti, 17 July to 10 Aug 1957 (LACM 35812-16); 35 km SW Carandayti, 17 Aug 1957 (LACM 35817).

PYGMY ANTWRREN *Myrmotherula brachyura*

SC: Río Surutú, 6 & 9 Aug 1910 (CM 38322, 38331).

WHITE-FLANKED ANTWRREN *Myrmotherula axillaris*

SC*: Buena Vista, 12 Apr 1927 (LSUMZ 37714); Río Ichilo, 30 Jan 1937 (FMNH 180494); Río Surutú, 20 Mar 1916 (CM 119338) and 16 Aug 1938 (FMNH 180492).

GREY ANTWRREN *Myrmotherula menetriesii*

SC: Río Ichilo, 30 Jan 1937 (FMNH 180493, 180496); Río Surutú, 31 Aug 1938 (FMNH 180492).

RUFOUS-WINGED ANTWRREN *Herpsilochmus rufimarginatus*

SC: Río Surutú, 22 Sep 1917 (CM 79579); Cerro Hosane, 22 Aug 1917 (CM 119389). These are the southwesternmost known records for this species. These specimens match closely a paratype of *H. r. flaviventris* Carricker and are quite different from *H. r. frater*.

BLACK-BELLIED ANTWRREN *Formicivora melanogaster*

CH*: Machereti, 2 Oct 1915 (CM 51574-76).

MATO GROSSO ANTBIRD *Cercomacra melanaria*

SC: Buena Vista, 16 June 1924 (CM 119880) and 15 Aug 1942 (LSUMZ 37724); Isamá, 20 July 1943 (LSUMZ 37725); Santa Cruz de la Sierra, 11 May 1918 (CM 119442-3).

WHITE-BROWED ANTBIRD *Myrmoborus leucophrys*

SC: Río Surutú, 13 Sep 1910 (CM 43803, LSUMZ 37732), 14 June 1911 (CM 43865) and 6 Aug 1938 (CM 125076).

BAND-TAILED ANTBIRD *Hypocnemoides maculicauda*

LP: Ixiamas, 10 Apr 1961 (LSUMZ 36100). SC: Río Surutú, 9 Aug 1916 (CM 119353); Buena Vista, 12 & 15 July, 1938 and 1941 (LSUMZ 37740-41).

CHESTNUT-TAILED ANTBIRD *Myrmeciza hemimelaena*

SC*: Cerro Hosane, 9 & 25 Aug 1917 (CM 119376, 119394); Río Yapacaní, 22 Dec 1936 (FMNH 180542-43); Río Ichilo, 15 Feb 1937 (FMNH 180544); Buena Vista, 20 July 1927 and 20 June 1938 (FMNH 180545-46); Río Isamá, 17 May 1943 (LSUMZ 37743); Río Surutú, 28 Aug 1938 (LSUMZ 37745); Santa Rita, 500 m, Prov. Cercado, 8 Dec 1961 (LSUMZ 37744).

BLACK-SPOTTED BARE-EYE *Phlegopsis nigromaculata*

SC: Río Surutú, 6 specimens (CM 43824, 79596, 79725, 79799, 119497, 119784); Rio Palacios, 26 June 1911 (CM 43888); Rio Yapacani, 20 Aug 1913 (CM 44019-20), 27 Jan 1915 (CM 51182) and 17 Feb 1915

(CM 51138-39); Mataracú, 400 m, Prov. Ichilo, 19 June 1943 (LSUMZ 37760); Buena Vista, 26 Feb 1945 (FMNH 217713).

AMAZONIAN ANTPITTA *Hylopezus berlepschi*

SC: Buena Vista, 2 Mar 1924 (CM 119862), 13 Nov 1943 and 25 May 1948 (LSUMZ 37768, FMNH 217711).

SLATY GNATEATER *Conopophaga ardesiaca*

TA: Bermejo, 2 Nov 1919, coll. by J. Steinbach (CM 80655). This is the southernmost known record for this species.

OLIVE-CROWNED CRESCENTCHEST *Melanopareia maximiliani*

CO: Mollemolle, 22 Apr 1920 (CM 81258); Totora, 15 Nov 1926 (CM 120218). TA: 80 km S Tarija, 6400 ft, 14 Jan 1973 (FMNH 293995).

RUFOUS-VENTED TAPACULO *Scytalopus femoralis*

SC: Samaipata, 17 Mar and 16 Apr 1920 (LSUMZ 37773, CM 81006). This is the southernmost known record for this species.

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Collocalia linchi Horsfield & Moore - a revision

by S. Somadikarta

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Linchi, the Javanese name for a small cave dwelling "swallow" (Jansz 1906: 485, see *lintji*), was used by Horsfield (1822: 143) as the vernacular name for *Hirundo fuciphaga* (now *Collocalia fuciphaga*) of Java. In his